

[0025]

A high-speed switching circuit with a low or zero inductance shunt resistor is constructed using a trace resistor having parallel overlying trace portions on opposite plane faces of a printed circuit board. The resulting shunt resistor is used in combination with a detector to input data to a microcontroller which controls an automotive load device such as a blower motor. The traces which form the resistor may be extended by horizontal or vertical zig-zag folding or a combination of the two.